### AGENDA

**Wednesday, 9/9/2009, 9:00-11:00 AM PACIFIC (Noon-2:00 in NJ)**

Altamont Pass Wind Resource Area Scientific Review Committee
Conference Call

**Webinar and Call-In Information**
[https://www.gotowebinar.com/join/513468409](https://www.gotowebinar.com/join/513468409) to download software and join web meeting

**Phone:** 1-888-252-9629 Pass Code: 6644540#

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**Note:** All SRC meetings are open to the public.

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Related Materials &amp; Notes</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Introductions, Ground Rules and Agenda Review</td>
<td>[control] + [click] to access docs</td>
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<tr>
<td>9:10</td>
<td>Go To Meeting Orientation</td>
<td>Please click on the link above and quickly download the software. This will allow you to see the same screen as everyone else.</td>
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<tr>
<td>9:20</td>
<td>Preparation for in-Person Meeting</td>
<td>See Workshop Outline (below)</td>
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<td>10:55</td>
<td>Confirm Next Call</td>
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**SRC Workshop Outline**

Developed by Jesse Schwartz & Gina Bartlett for SRC Discussion 9/9/2009

The Scientific Review Committee will be holding a workshop to forge understanding and consensus on the database, analytical procedures and reports. This document outlines the approach to achieve the workshop objectives.

**Workshop Objectives**

- Understand the database
- Develop consensus on the analytical procedures and reports

<table>
<thead>
<tr>
<th>Event</th>
<th>Purpose / Topic</th>
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<tbody>
<tr>
<td>Sept. 9, 2009</td>
<td><strong>Organization</strong></td>
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<tr>
<td>Conference Call</td>
<td>Provide feedback on the workshop outline &amp; structure</td>
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<tr>
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<td>Identify requests for data discovery questions; data</td>
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<td>summaries and subsets, issues &amp; concerns to be</td>
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<td></td>
<td>addressed on Sept. 17</td>
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<tr>
<td>Sept. 17, 2009</td>
<td><strong>Data Discovery</strong></td>
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<tr>
<td>Conference Call</td>
<td>Understand the database and consensus on the</td>
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<td>database—one set of data for use</td>
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Data Discovery

Objective: Understand the data and consensus on the database
Review Materials in Advance: Draft Diagram and Database Description available by 9/11 COB
Deliverables: Webinar Archives the Database Workshop; Revise Database Diagram

Topics

• Turbines
  o We will review the data tables and attributes which describe turbines, groups of turbines, and their status through time. We will evaluate:
    ▪ Turbine, string & plot relationships
    ▪ Operational capacity
    ▪ Turbine meta-data

• Searches
  o We will review the data tables and fields which describe searches. We will evaluate:
    ▪ Search effort
    ▪ Search interval
    ▪ Capacity searched

• Fatalities
  o We will review the data tables and fields which describe fatalities. We will evaluate:
    ▪ Fatalities observed
    ▪ Fatality meta-data
    ▪ Fatality filters

Analysis / Calculations

• Data summaries
  o We will explore the statistical patterns of raw observations of fatalities. We will evaluate fatalities & fatalities per MW by:
    ▪ String & plots
- Seasons & years
- Species & various bird groups

• Adjustments
  - We will explore the adjustments for detection probability. We will adjust groups of fatalities using the results of Smallwood (2007) and those from the American kestrel and Burrowing Owl (KB) study. As test cases we will evaluate the impacts of adopting various adjustment factors for the following groups of fatalities:
    - Diablo winds
    - Shut-down study groups
    - NREL common turbines

• Expansions
  - We will explore the APRWA-wide expansion of fatality results. We will explore the impacts of adopting various expansion approaches including:
    - MW capacity
    - # of turbines
    - Multivariate statistics

**Summary of Consensus on Calculations/Analytic Procedures**
- Confirm Analytical Models or Scripts
  - Filtering of Raw Data
  - Adjustments
  - Diablo Winds
  - Seasonal Shutdown
  - APWRA-Wide Expansion